Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-11.   Canceled.

12.   (Currently Amended)   A method of browsing a video using information on ~~associate meanings~~ semantic relations between segments of a multimedia stream characterized by a video browsing interface including a video display view and a key frame or a key region view, the method comprising ~~the steps of~~:

displaying the information on ~~associate meanings~~ semantic relations between segments by the video browsing interface further including key frames or key regions or text for displaying the information on ~~associate meanings~~ semantic relations between the segments; and

performing a video browsing by using key frames or key regions or text displaying the information on ~~associate meanings~~ semantic relations between segments, wherein the information on semantic relations between segments is an information on cause/effect or abstract/detail relationships.

13.   Canceled

2

14.   (Original) The method of claim 12, wherein a user can select a case as to whether to shift to a frame corresponding to the selection region or to a segment represented by the selected region, or to a cause segment of the corresponding segment or to an effect segment or to an abstract segment or to a result segment, if the user selects a predetermined display region of the key frame or the key region view.

15.   (Currently Amended) The method of claim 12, wherein each segment is expressed by a node, and the relationship between the segments is expressed by a link in a region displaying the information on ~~associate meanings~~ semantic relations between segments.

16.   (Currently Amended) The method of claim 15, wherein each node is expressed by using the key frame, the key region or a text in the region displaying the information on ~~associate meanings~~ semantic relations between segments.

17.   (Currently Amended) The method of claim 15, wherein the corresponding node and the link are displayed in a graphic structure in the region displaying the information on ~~associate meanings~~ semantic relations between segments.

18.   (Currently Amended) The method of claim 15, wherein the corresponding node and the link are displayed in a tree structure in the region displaying the information on ~~associate meanings~~ semantic relations between segments.

19.   (Currently Amended) The method of claim 15, wherein the corresponding node and the link are displayed in other structures than the graphic structure or the tree structure in the region displaying the information on ~~associate meanings~~ semantic relations between segments, the corresponding segment and the segments related to the ~~associate meanings~~ semantic relations being dynamically converted and displayed when a predetermined segment is selected.

20.   (Currently Amended) The method of claim 15, wherein a shift is made to a corresponding segment if each node of a graphic view of information on ~~associate meanings~~ semantic relations is selected.

21.   (Currently Amended) The method of claim 12, wherein the region displaying the information on ~~associate meanings~~ semantic relations displays the region displaying the information on ~~associate meanings~~ semantic relations between segments centering around a segment currently being displayed.

22.   (Currently Amended) The method of claim 12, wherein the graphic view of information on ~~associate meanings~~ semantic relations selects a plurality of nodes, and the segments corresponding to the more than one selected node are automatically linked and reproduced.

23.   (New) A method of describing information on relations between segments of a multimedia stream, comprising:

describing information on semantic relations between segments including segment locators and description of cause and effect semantic relationships between said located segments based on contents of said located segments.

24.   (New) The method of claim 23, wherein the segment locator includes an information on intervals.

25.   (New) The method of claim 24, wherein the segment locator includes information on a stream.

26.   (New) The method of claim 25, wherein the information on a stream is an information on relative/absolute locations of the stream.

27.   (New) The method of claim 25, wherein the information on a stream comprises a unique identifier (ID) for the stream.

28.   (New) The method of claim 24, wherein the information on intervals is described as a starting point and an ending point of the segments.

29.   (New) The method of claim 24, wherein the information on intervals is described as information on a starting point and a length of the segments.

30.   (New) The method of claim 23, further comprising information on an additional weight value with respect to the cause/effect semantic relationship between said located segments so as to order the segments affecting a particular segment or the segments affected by a particular segment.

31.   (New) A data structure for describing information on relations between segments of a multimedia stream, comprising:

information that describes semantic relations between segments including segment locators and description of cause and effect semantic relationships between said located segments based on contents of said located segments.

32.   (New) A method of describing information on relations between segments of a multimedia stream, comprising:

describing information on semantic relations between segments including segment locators and description of abstract and detail semantic relationships between said located segments based on contents of said located segments.

33.   (New) A data structure for describing information on relations between segments of a multimedia stream, comprising:

information that describes semantic relations between segments including segment locators and description of abstract and detail semantic relationships between said located segments based on contents of said located segments.